

## REVISED VERSION

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number  
**WO 2004/094080 A1**

(51) International Patent Classification<sup>7</sup>: **B08B 9/023, 3/00, 1/00, A61L 2/18, C11D 3/48, 3/386**

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:  
**PCT/AU2004/000404**

(22) International Filing Date: 30 March 2004 (30.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2003901917 22 April 2003 (22.04.2003) AU

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): NO-VAPHARM RESEARCH (AUSTRALIA) PTY LTD [AU/AU]; 3-11 Primrose Avenue, Rosebery, NSW 2018 (AU).

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): KRITZLER, Steven [AU/AU]; 9 Redgum Avenue, Cronulla, NSW 2230 (AU).

Published:

— *with international search report*

(74) Agent: SHELSTON IP; 60 Margaret Street, Sydney NSW 2000 (AU).

(88) Date of publication of the revised international search report: 16 December 2004

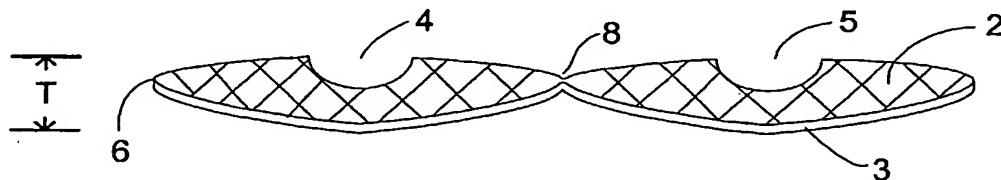
(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

(15) Information about Correction:

see PCT Gazette No. 51/2004 of 16 December 2004, Section II

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: ENDOSCOPE CLEANING PAD



(57) Abstract: A cleaning device for cleaning a medical instrument such as an endoscope, which includes a fabric, wipe, or sponge impregnated with a composition which comprises: an enzyme such as a protease, alcalase, cellulase, lipolase; a surfactant and a humectant present in an amount to ensure that sufficient water is absorbed to reduce any hazard which would arise from use of the enzyme in dry form while maintain activity of the enzyme during storage. The cleaning device is adapted to remove at least a portion of externally adherent soiling on a surgical instrument by mechanical wiping; and to redistribute any remaining external soiling such that it is distributed as a film of thinner and more uniform thickness than on the unwiped instrument. The invention also relates to packaging of the cleaning device, and methods of use thereof.

WO 2004/094080 A1